

FIG. 2A

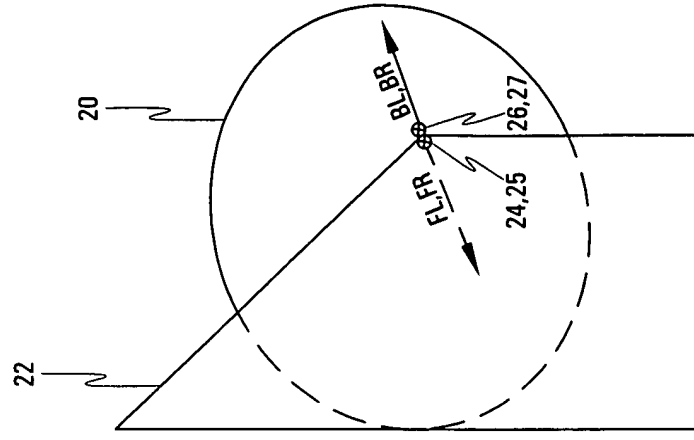


FIG. 2C

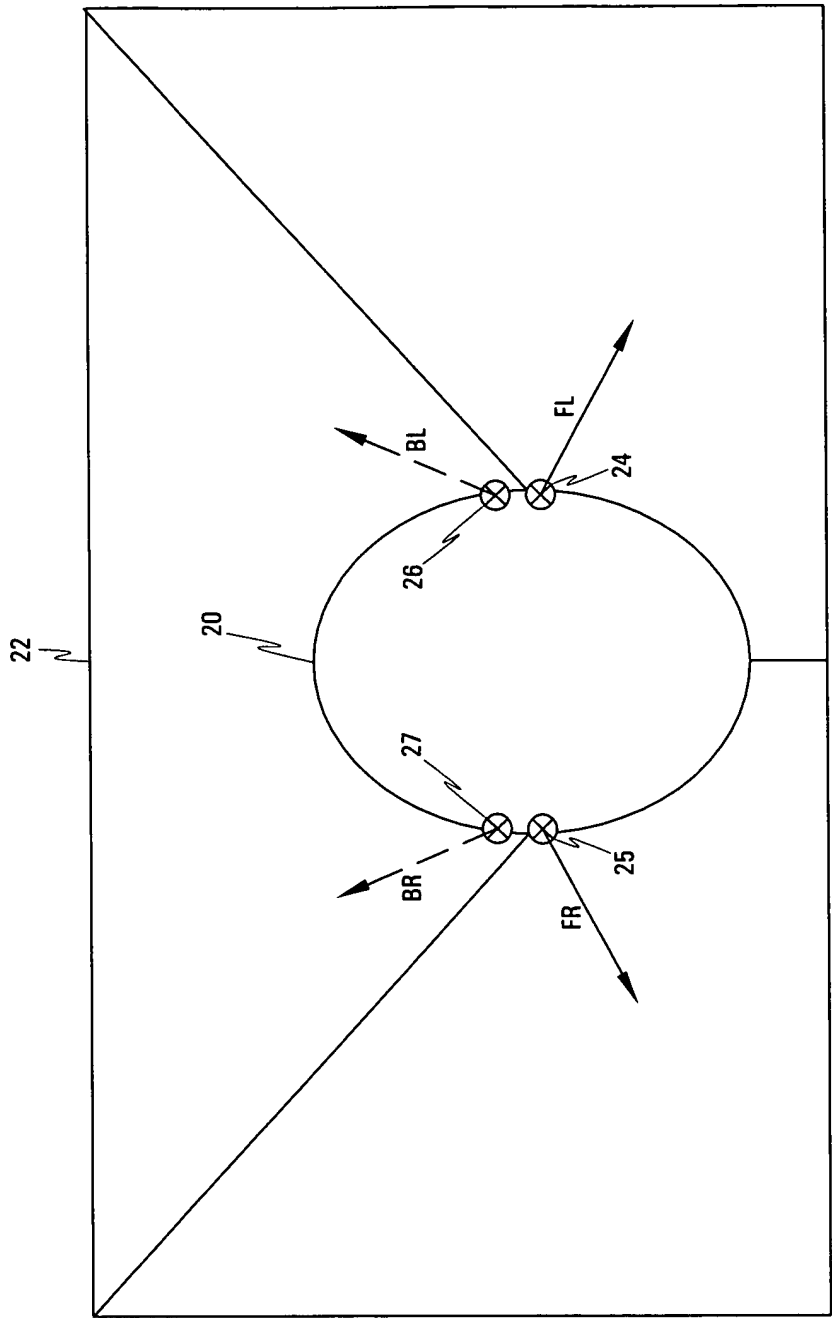


FIG. 2B

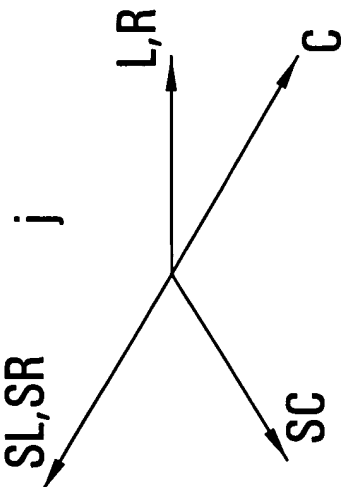
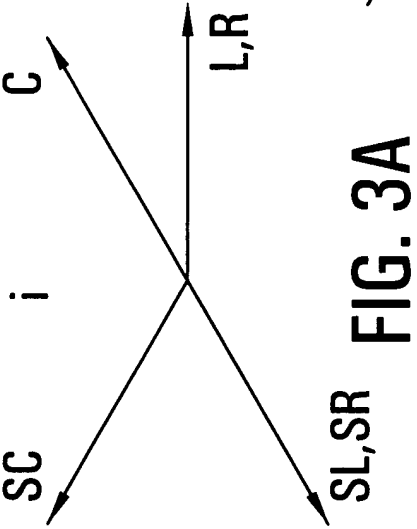


FIG. 3B

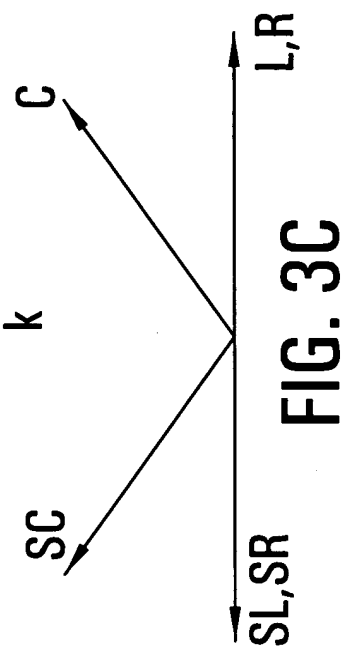


FIG. 3C

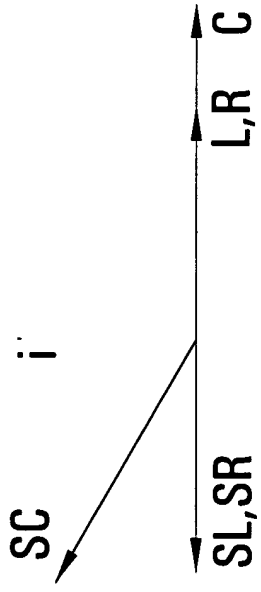


FIG. 3D

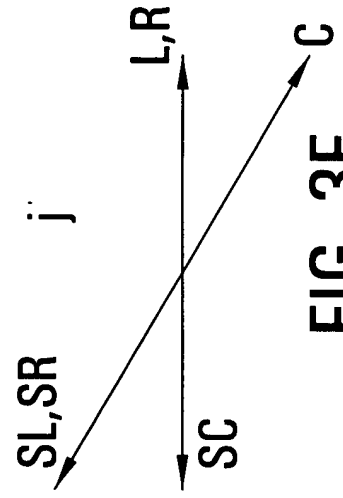


FIG. 3E

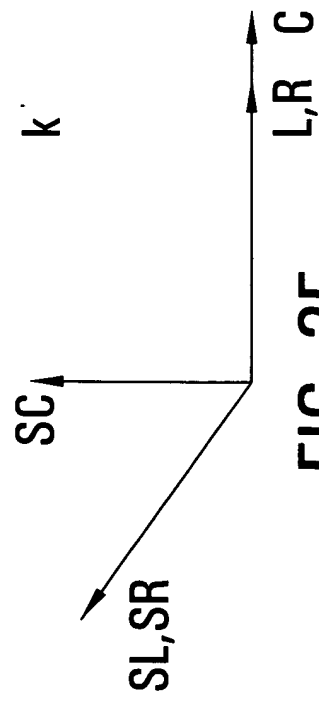


FIG. 3F

FIG 4A

Mode "I" (inclined)		4x4 coeffs x 0.85000							
θ_{Up}^*	$\frac{f(Si)}{f(Sout)} \setminus$	$\{Pin\} \setminus$	FL	FR	W	X	Y	Z	
0	{Sout}: L	R	0.850	0.000					
0		C	0.000	0.850					
30		SC			0.601	0.736	0	0.425	
30		SL			0.601	-0.736	0	0.425	
-30		SR			0.601	-0.368	0.638	-0.425	
-30					0.601	-0.368	-0.638	-0.425	
min/max rec	Transformation {S} 4x4 or 6x6 W=0.707W cosAcosE sinAcosE sinE								
Mode "J" (juxtaposed I; descending Q)									
θ_{Up}^*	$\frac{f(Si)}{f(Sout)} \setminus$	$\{Pin\} \setminus$	FL	FR	W	X	Y	Z	
0	{Sout}: L	R	0.850	0.000					
0		C	0.000	0.850					
-30		SC			0.601	0.736	0	-0.425	
-30		SL			0.601	-0.736	0	-0.425	
30		SR			0.601	-0.368	0.638	0.425	
30					0.601	-0.368	-0.638	0.425	
min/max rec	Transformation {S} 4x4 or 6x6 W=0.707W cosAcosE sinAcosE sinE								
Mode "K" (on it's back)									
θ_{Up}^*	$\frac{f(Sk)}{f(Sout)} \setminus$	$\{Pin\} \setminus$	FL	FR	W	X	Y	Z	
0	{Sout}: L	R	0.850	0.000					
0		C	0.000	0.850					
30		SC			0.601	0.736	0	0.425	
60		SL			0.601	-0.425	0	0.736	
0		SR			0.601	-0.425	0.736	0.000	
0					0.601	-0.425	-0.736	0.000	
min/max rec	Transformation {S} 4x4 or 6x6 W=0.707W cosAcosE sinAcosE sinE								

FIG 4B

FIG 4C

FIG 4D

Mode f' high tilted															
θ_{Up}^*	$\{Si\} \setminus \{Pin\}: FL$	FR	W	X	Y	Z									
-30	(Sout): L	0.850	0.000												
-30	R	0.000	0.850												
0	C														
60	SC														
0	SL														
0	SR														
min/max rec	Transformation $\{S\}$ 4x4 or 6x6						$W=0.707W$	$\cos \text{AcosE}$	$\sin \text{E}$						

FIG 4E

Mode f' high tilted																		
θ_{Up}^*	$\{S\} \setminus \{Pin\}: FL$	FR	W	X	Y	Z												
-30	(Sout): L	0.850	0.000															
-30	R	0.000	0.850															
-60	C																	
0	SC																	
60	SL																	
60	SR																	
min/max rec	Transformation $\{S\}$ 4x4 or 6x6						$W=0.707W$	$\cos \text{AcosE}$	$\sin \text{E}$									

FIG 4F

Mode k' high tilted															
θ_{Up}^*	$\{Sk\} \setminus \{Pin\}: FL$	FR	W	X	Y	Z									
-30	(Sout): L	0.850	0.000												
-30	R	0.000	0.850												
0	C														
90	SC														
30	SL														
30	SR														
min/max rec	Transformation $\{S\}$ 4x4 or 6x6						$W=0.707W$	$\cos \text{AcosE}$	$\sin \text{E}$						

--ITU 6.1-to-PerAmbio reconstitution--> {B} noise degradation dB 1.41

{Pi} \ {Sout}: L	R	C	SC	SL	SR	{Pout}
{Pout}: FL	1.176	0.000				1.00
FR	0.000	1.176				1.00
W			0.624	0.208	0.416	0.71
X			0.679	-0.679	0.000	0.50
Y			0	0	0.784	0.50
Z			0.294	0.882	-0.588	0.50
Reconstitute {P}	min/max	-0.784 1.176	{Pout}-{Pin}= 0			{Px}{Sout}

FIG 5A

--ITU 6.1-to-PerAmbio reconstitution--> {B} noise degradation dB 1.41

{Pi} \ {Sout}: L	R	C	SC	SL	SR	{Pout}
{Pout}: FL	1.176	0.000				1.00
FR	0.000	1.176				1.00
W			0.624	0.208	0.416	0.71
X			0.679	-0.679	0.000	0.50
Y			0	0	0.784	0.50
Z			-0.294	-0.882	0.588	0.50
Reconstitute {P}	min/max	-0.882 1.176	{Pout}-{Pin}= 0			{Px}{Sout}

FIG 5B

--ITU 6.1-to-PerAmbio reconstitution--> {B} noise degradation dB 2.66

{Pk} \ {Sout}: L	R	C	SC	SL	SR	{Pout}
{Pout}: FL	1.176	0.000				
FR	0.000	1.176				
W			0.609	-0.352	0.703	0.71
X			0.861	-0.497	-0.182	0.50
Y			0	0	0.679	0.50
Z			0.000	1.358	-0.679	0.50
Reconstitute {P}	min/max	-0.679 1.358	{Pout}-{Pin}= 0			{Px}{Sout}

FIG 5C

--ITU 6.1-to-PerAmbio reconstitution--> {B} noise degradation dB 1.41

{Pi} \ {Sout}: L		R	C	SC	SL	SR	{Pout}
[Pout]: FL		1.176	0.000				1.00
FR		0.000	1.176				1.00
W				0.624	0.208	0.416	0.71
X				0.735	-0.147	-0.294	0.50
Y				0	0	0.784	0.50
Z				-0.085	1.104	-0.509	0.50
Reconstitute {P}		min/max	-0.784 1.176	{Pout}-{Pin}= 0			{P}x{Sout}

FIG 5D

--ITU 6.1-to-PerAmbio reconstitution--> {B} noise degradation dB 1.41

{Pi} \ {Sout}: L		R	C	SC	SL	SR	{Pout}
[Pout]: FL		1.176	0.000				1.00
FR		0.000	1.176				1.00
W				0.624	0.208	0.416	0.71
X				0.441	-1.029	0.294	0.50
Y				0	0	0.784	0.50
Z				-0.594	-0.425	0.509	0.50
Reconstitute {P}		min/max	-1.029 1.176	{Pout}-{Pin}= 0			{P}x{Sout}

FIG 5E

--ITU 6.1-to-PerAmbio reconstitution--> {B} noise degradation dB 3.08

{Pk} \ {Sout}: L		R	C	SC	SL	SR	{Pout}
[Pout]: FL		1.176	0.000				1.00
FR		0.000	1.176				1.00
W				0.609	-0.352	0.703	0.71
X				0.746	0.249	-0.497	0.50
Y				0	0	0.679	0.50
Z				-0.431	1.425	-0.497	0.50
Reconstitute {P}		min/max	-0.679 1.425	{Pout}-{Pin}= 0			{P}x{Sout}

FIG 5F

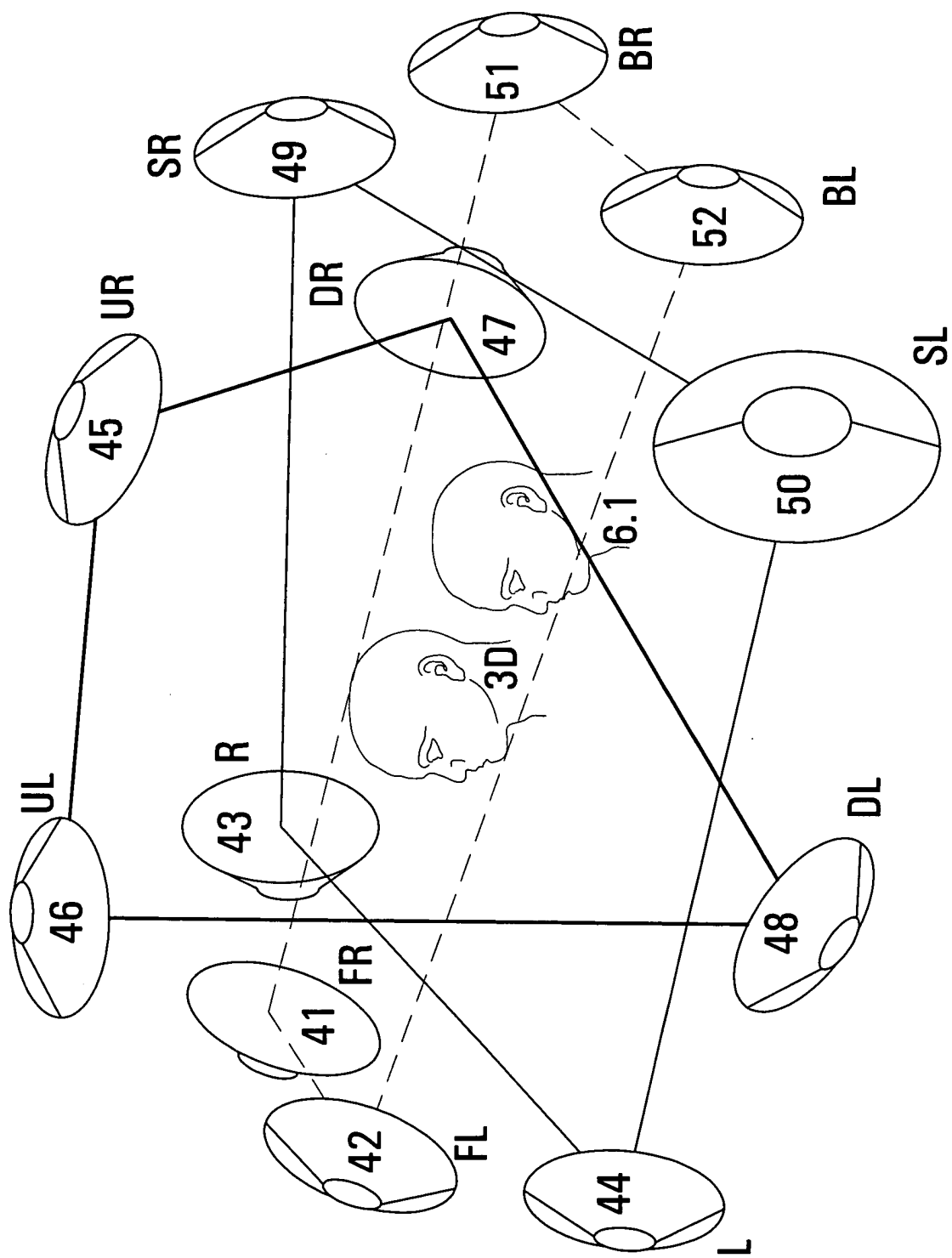


FIG.6